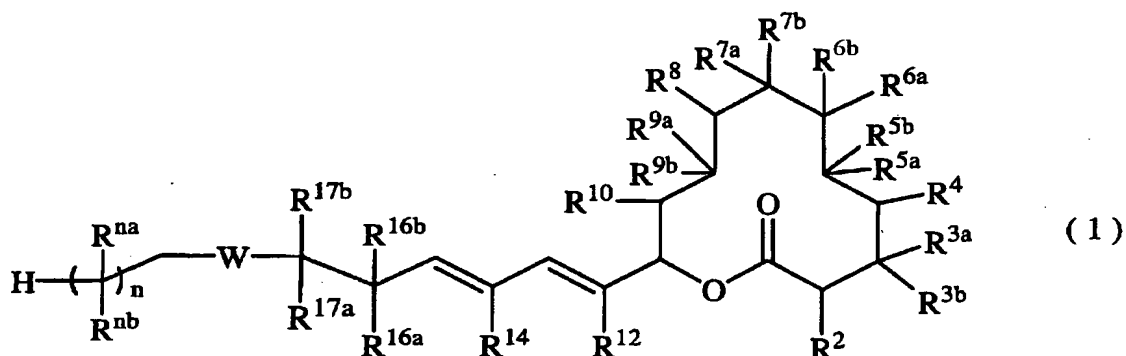


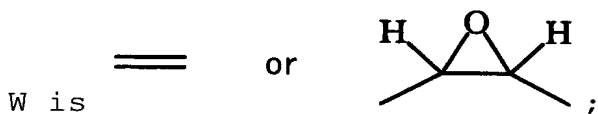
Claims

1. A method for stabilizing a macrolide compound expressed by the formula (1), wherein a macrolide compound expressed by the formula (1) and a cyclodextrin are both made to be present:



(in the formula (1),

n is an integer from 0 to 4;



R^2 , R^{3a} , R^{3b} , R^4 , R^{5a} , R^{5b} , R^{6a} , R^{6b} , R^{7a} , R^{7b} , R^8 , R^{9a} , R^{9b} , R^{10} , R^{16a} , R^{16b} , R^{17a} , R^{17b} , R^{na} and R^{nb} are the same as or different from each other and each represents

(1) a hydrogen atom,

(2) a hydroxyl group,

(3)

a) a C_{1-22} alkyl group,

b) a C_{1-22} alkoxy group,

c) $\text{ArCH}_2\text{O}-$ (in which Ar is a C_{6-14} aryl group or a 5-

membered to 14-membered heteroaryl group, each of which may have a substituent),

d) a formyloxy group,

e) a C₂₋₂₂ acyloxy group,

f) an unsaturated C₃₋₂₃ acyloxy group,

g) R^{co}COO- (where R^{co} is a C₆₋₁₄ aryl group, a 5-membered to 14-membered heteroaryl group, a C₁₋₂₂ alkoxy group, an unsaturated C₂₋₂₂ alkoxy group, a C₆₋₁₄ aryloxy group or a 5-membered to 14-membered heteroaryloxy group, each of which may have a substituent),

h) a C₁₋₂₂ alkylsulfonyloxy group,

i) a C₆₋₁₄ arylsulfonyloxy group or

j) R^{s1}R^{s2}R^{s3}SiO- (where R^{s1}, R^{s2} and R^{s3} are the same as or different from each other and are each represents a C₁₋₆ alkyl group or a C₆₋₁₄ aryl group), each of which may have a substituent,

(4) a halogen atom or

(5) R^{N1}R^{N2}N-R^M- (in which R^M is a single bond or -CO-O-; R^{N1} and R^{N2} are

1) the same as or different from each other and each represents

a) a hydrogen atom or

b)

(i) a C₁₋₂₂ alkyl group,

(ii) an unsaturated C₂₋₂₂ alkyl group,

(iii) a C₂₋₂₂ acyl group,

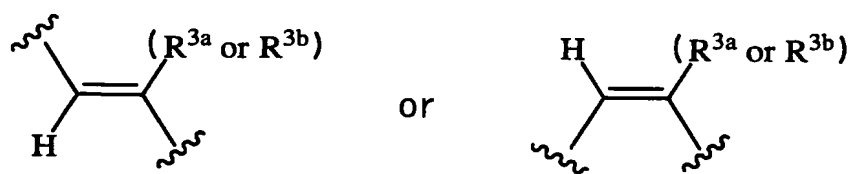
(iv) an unsaturated C₃₋₂₃ acyl group,
 (v) a C₆₋₁₄ aryl group,
 (vi) a 5-membered to 14-membered heteroaryl group,
 (vii) a C₇₋₁₅ aralkyl group,
 (viii) a C₁₋₂₂ alkylsulfonyl group or
 (ix) a C₆₋₁₄ arylsulfonyl group, each of which may have a substituent, or

2) R^{N1} and R^{N2}, together with the nitrogen atom to which they bound, represents a 3-membered to 14-membered nitrogen-containing non-aromatic heterocyclic group which may have a substituent); and

R¹² and R¹⁴ are the same as or different from each other and each represents a hydrogen atom or a C₁₋₆ alkyl group which may have a substituent,

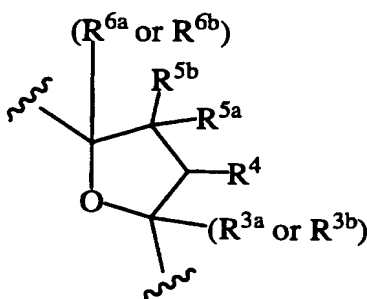
provided that

1) R², together with either R^{3a} or R^{3b}, may form a partial structure:

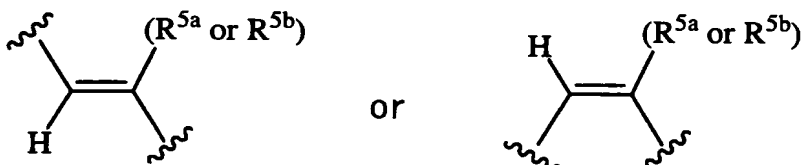


2) R^{3a} and R^{3b}, together with the carbon atom to which they bound, may form a ketone structure (=O) or an oxime structure (=NOR^{ox} (in which R^{ox} represents a C₁₋₂₂ alkyl group, an unsaturated C₂₋₂₂ alkyl group, a C₆₋₁₄ aryl group, a 5-membered to 14-membered heteroaryl group or a C₇₋₁₅ aralkyl group, each of which may have a substituent)),

3) either R^{3a} or R^{3b} and either R^{6a} or R^{6b} may bound with an oxygen atom via the carbon atom to which they bound to form a partial structure:



4) R^4 , together with either R^{5a} or R^{5b} , may form a partial structure:



5) R^{5a} and R^{5b} , together with the carbon atom to which they bound, may form a ketone structure ($=O$) or an oxime structure ($=NOR^{ox}$ (in which R^{ox} has the same meaning as above)),

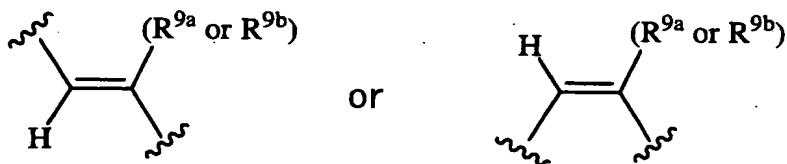
6) R^{6a} and R^{6b} , together with the carbon atom to which they bound, may form a spirooxirane ring or an exomethylene group,

7) either R^{6a} or R^{6b} and either R^{7a} or R^{7b} , together with the carbon atom to which they bound, may form a 1,3-dioxolane ring,

8) R^{7a} and R^{7b} , together with the carbon atom to which they bound, may form a ketone structure ($=O$) or an oxime structure ($=NOR^{ox}$ (in which R^{ox} has the same meaning as

above) },

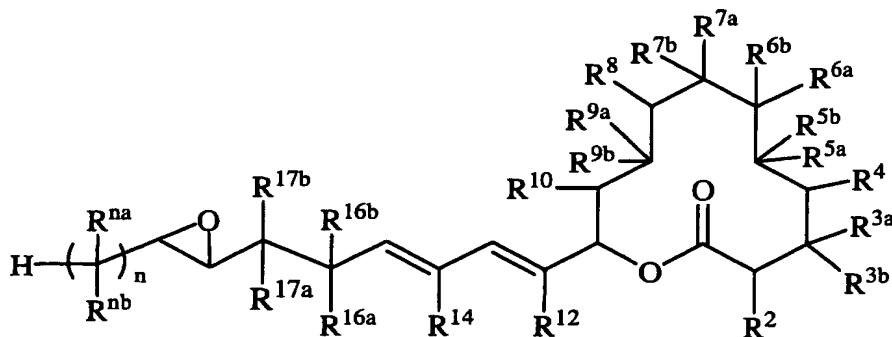
9) R^8 , together with either R^{9a} or R^{9b} , may form a partial structure:



10) R^{9a} and R^{9b} , together with the carbon atom to which they bound, may form a ketone structure ($=O$) or an oxime structure ($=NOR^{ox}$ (in which R^{ox} has the same meaning as above) }, and

11) R^{na} and R^{nb} , together with the carbon atom to which they bound, may form a ketone structure ($=O$) or an oxime structure ($=NOR^{ox}$ (in which R^{ox} has the same meaning as above) }.)

2. The method for stabilizing a macrolide compound according to claim 1, wherein the macrolide compound expressed by the formula (1) is a macrolide compound expressed by the formula (1-1):



(1-1)

in the formula (1-1), n , R^2 , R^{3a} , R^{3b} , R^4 , R^{5a} , R^{5b} , R^{6a} , R^{6b} ,

R^{7a} , R^{7b} , R^8 , R^{9a} , R^{9b} , R^{10} , R^{12} , R^{14} , R^{16a} , R^{16b} , R^{17a} , R^{17b} , R^{na} and R^{nb} have the same meanings as the definitions for the formula (1) in claim 1.

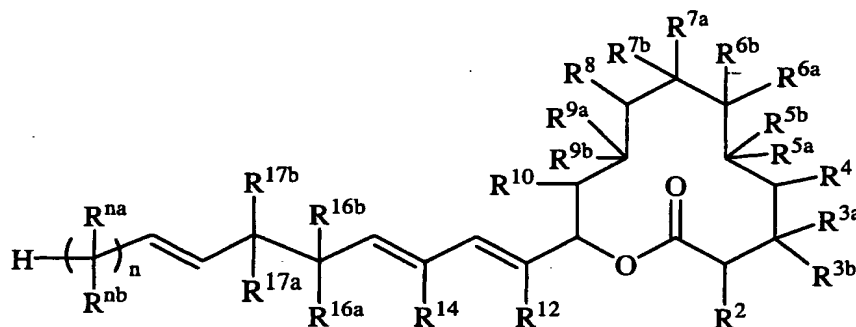
3. The method for stabilizing a macrolide compound according to claim 2, wherein the macrolide compound expressed by the formula (1-1) is a compound selected from the group consisting of (8E,12E,14E)-3,6,7,21-tetrahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6-dihydroxy-6,10,12,16,20-pentamethyl-21-oxo-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,16,21-tetrahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,20,21-tetrahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-3,6,7,16,21-pentahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-3,6,7,20,21-pentahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (4E,8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-4,8,12,14-tetraen-11-olide; (8E,12E,14E)-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-7-propanoyloxy-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-

epoxydocosa-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-
 3,5,6,21-tetrahydroxy-6,10,12,16,20-pentamethyl-18,19-
 epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-5,7-
 diacetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-
 18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-
 3,7-diacetoxy-6,21-dihydroxy-6,10,12,16,20-pentamethyl-
 18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-
 acetoxy-6-acetoxymethyl-3,6,21-trihydroxy-10,12,16,20-
 tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide;
 (8E,12E,14E)-7-acetoxy-3,6,17,21-tetrahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-
 11-olide; (8E,12E,14E)-7-acetoxy-3,6,20-trihydroxy-
 6,10,12,16-tetramethyl-18,19-epoxyheneicoso-8,12,14-trien-
 11-olide; (4E,8E,12E,14E)-3,6,7,21-tetrahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricoso-4,8,12,14-
 tetraen-11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-
 6,10,12,16-tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-
 olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,20-
 tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide;
 (12E,14E)-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-9-
 oxo-18,19-epoxytricoso-12,14-dien-11-olide; (8E,12E,14E)-7-
 acetoxy-3,6,21-trihydroxy-6,10,16,20-tetramethyl-18,19-
 epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-
 acetoxy-3,6,21-trihydroxy-2,6,10,12,16,20-hexamethyl-18,19-
 epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-
 acetoxy-3,5,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-

epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,12,16,20-tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-6-acetoxymethyl-3,6,7,21-tetrahydroxy-10,12,16,20-tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-3,6,7-trihydroxy-6,10,12,16,20-pentamethyl-21-oxo-18,19-epoxytricoso-8,12,14-trien-11-olide; a 3-position isomer of (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-10,12,16,20-tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-6-acetoxy-3,7,21-trihydroxy-10,12,16,20-tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-3,6,7,21-tetrahydroxy-2,6,10,12,16,20-hexamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-3,7,21-trihydroxy-10,12,16,20-tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (4E,8E,12E,14E)-7-acetoxy-3,6-dihydroxy-6,10,12,16,20-pentamethyl-21-oxo-18,19-epoxytricoso-4,8,12,14-tetraen-11-olide; (8E,12E,14E)-7-acetoxy-3,21-dihydroxy-10,12,16,20-tetramethyl-18,19-epoxy-6,6-(epoxymethano)tricoso-8,12,14-trien-11-olide; (4E,8E,12E,14E)-7-acetoxy-3,21-dihydroxy-10,12,16,20-tetramethyl-18,19-epoxy-6,6-(epoxymethano)tricoso-4,8,12,14-tetraen-11-olide; (8E,12E,14E)-3,7,21-trihydroxy-10,12,16,20-tetramethyl-18,19-epoxy-6,6-(epoxymethano)tricoso-8,12,14-trien-11-olide;

olide; (4E,8E,12E,14E)-6,7-diacetoxy-3,21-dihydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricos-4,8,12,14-
 tetraen-11-olide; (8E,12E,14E)-6,7-diacetoxy-3,21-
 dihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricos-
 8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,16-
 trihydroxy-6,10,12,16,20-pentamethyl-21-oxo-18,19-
 epoxytricos-8,12,14-trien-11-olide; (8E,12E,14E)-7-
 acetoxy-3,6,21,22-tetrahydroxy-6,10,12,16,20-pentamethyl-
 18,19-epoxytricos-8,12,14-trien-11-olide; (4E,8E,12E,14E)-
 7-acetoxy-3,6,17,21-tetrahydroxy-6,10,12,16,20-pentamethyl-
 18,19-epoxytricos-4,8,12,14-tetraen-11-olide;
 (8E,12E,14E)-7-acetoxy-3,6,17-trihydroxy-6,10,12,16-
 tetramethyl-18,19-epoxyheneicosa-8,12,14-trien-11-olide;
 (8E,12E,14E)-7-acetoxy-3,5,6,21,22-pentahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricos-8,12,14-trien-
 11-olide; (8E,12E,14E)-7-acetoxy-3,6,16-trihydroxy-
 6,10,12,16-tetramethyl-18,19-epoxyheneicosa-8,12,14-trien-
 11-olide; (8E,12E,14E)-3,6,7,21-tetrahydroxy-6,10,16,20-
 tetramethyl-18,19-epoxytricos-8,12,14-trien-11-olide;
 (8E,12E,14E)-7-acetoxy-3,6,17,21-tetrahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricos-8,12,14-trien-
 11-olide; (8E,12E,14E)-7-acetoxy-3,6,17-trihydroxy-
 6,10,12,16,18-pentamethyl-18,19-epoxyheneicosa-8,12,14-
 trien-11-olide; and (8E,12E,14E)-7-acetoxy-3,6,21-
 trihydroxy-6,10,12,16,20-pentamethyl-5-oxo-18,19-
 epoxytricos-8,12,14-trien-11-olide.

4. The method for stabilizing a macrolide compound according to claim 1, wherein the macrolide compound expressed by the formula (1) is a macrolide compound expressed by the formula (1-2):



(1-2)

in the formula (1-2), n , R^2 , R^{3a} , R^{3b} , R^4 , R^{5a} , R^{5b} , R^{6a} , R^{6b} , R^{7a} , R^{7b} , R^8 , R^{9a} , R^{9b} , R^{10} , R^{12} , R^{14} , R^{16a} , R^{16b} , R^{17a} , R^{17b} , R^{na} and R^{nb} have the same meanings as the definitions for the formula (1) in claim 1.

5. The method for stabilizing a macrolide compound according to claim 4, wherein the macrolide compound expressed by the formula (1-2) is (8E,12E,14E,18E)-7-acetoxy-3,6,21,22-tetrahydroxy-6,10,12,16,20-pentamethyltricoso-8,12,14,18-tetraen-11-olide or (8E,12E,14E,18E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyltricoso-8,12,14,18-tetraen-11-olide.

6. The method for stabilizing a macrolide compound according to any of claims 1 to 5, wherein the cyclodextrin is one selected from the group consisting of β -cyclodextrin, γ -cyclodextrin, partially methylated β -cyclodextrin,

dimethyl- β -cyclodextrin, glycosyl- β -cyclodextrin and hydroxypropyl- β -cyclodextrin.

7. A method for producing a macrolide compound selected from the group consisting of (8E,12E,14E)-3,6,7,21-tetrahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6-dihydroxy-6,10,12,16,20-pentamethyl-21-oxo-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,16,21-tetrahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,20,21-tetrahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-3,6,7,16,21-pentahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-3,6,7,20,21-pentahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (4E,8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-4,8,12,14-tetraen-11-olide; (8E,12E,14E)-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-7-propanoyloxy-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxydocosa-8,12,14-trien-11-olide; (8E,12E,14E)-7-acetoxy-3,5,6,21-tetrahydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-5,7-

diacetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-
 18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-
 3,7-diacetoxy-6,21-dihydroxy-6,10,12,16,20-pentamethyl-
 18,19-epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-
 acetoxy-6-acetoxymethyl-3,6,21-trihydroxy-10,12,16,20-
 tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide;
 (8E,12E,14E)-7-acetoxy-3,6,17,21-tetrahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-
 11-olide; (8E,12E,14E)-7-acetoxy-3,6,20-trihydroxy-
 6,10,12,16-tetramethyl-18,19-epoxyheneicoso-8,12,14-trien-
 11-olide; (4E,8E,12E,14E)-3,6,7,21-tetrahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricoso-4,8,12,14-
 tetraen-11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-
 6,10,12,16-tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-
 olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,20-
 tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide;
 (12E,14E)-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-9-
 oxo-18,19-epoxytricoso-12,14-dien-11-olide; (8E,12E,14E)-7-
 acetoxy-3,6,21-trihydroxy-6,10,16,20-tetramethyl-18,19-
 epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-
 acetoxy-3,6,21-trihydroxy-2,6,10,12,16,20-hexamethyl-18,19-
 epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-
 acetoxy-3,5,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-
 epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-7-
 acetoxy-3,6,21-trihydroxy-6,12,16,20-tetramethyl-18,19-
 epoxytricoso-8,12,14-trien-11-olide; (8E,12E,14E)-6-

acetoxymethyl-3,6,7,21-tetrahydroxy-10,12,16,20-
 tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide;
 (8E,12E,14E)-3,6,7-trihydroxy-6,10,12,16,20-pentamethyl-21-
 oxo-18,19-epoxytricoso-8,12,14-trien-11-olide; a 3-position
 isomer of (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-
 11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-
 10,12,16,20-tetramethyl-18,19-epoxytricoso-8,12,14-trien-
 11-olide; (8E,12E,14E)-6-acetoxy-3,7,21-trihydroxy-
 10,12,16,20-tetramethyl-18,19-epoxytricoso-8,12,14-trien-
 11-olide; (8E,12E,14E)-3,6,7,21-tetrahydroxy-
 2,6,10,12,16,20-hexamethyl-18,19-epoxytricoso-8,12,14-
 trien-11-olide; (8E,12E,14E,18E)-7-acetoxy-3,6,21,22-
 tetrahydroxy-6,10,12,16,20-pentamethyltricoso-8,12,14,18-
 tetraen-11-olide; (8E,12E,14E)-3,7,21-trihydroxy-
 10,12,16,20-tetramethyl-18,19-epoxytricoso-8,12,14-trien-
 11-olide; (4E,8E,12E,14E)-7-acetoxy-3,6-dihydroxy-
 6,10,12,16,20-pentamethyl-21-oxo-18,19-epoxytricoso-
 4,8,12,14-tetraen-11-olide; (8E,12E,14E)-7-acetoxy-3,21-
 dihydroxy-10,12,16,20-tetramethyl-18,19-epoxy-6,6-
 (epoxymethano)tricoso-8,12,14-trien-11-olide;
 (4E,8E,12E,14E)-7-acetoxy-3,21-dihydroxy-10,12,16,20-
 tetramethyl-18,19-epoxy-6,6-(epoxymethano)tricoso-
 4,8,12,14-tetraen-11-olide; (8E,12E,14E)-3,7,21-trihydroxy-
 10,12,16,20-tetramethyl-18,19-epoxy-6,6-
 (epoxymethano)tricoso-8,12,14-trien-11-olide;

(4E,8E,12E,14E)-6,7-diacetoxy-3,21-dihydroxy-6,10,12,16,20-
 pentamethyl-18,19-epoxytricoso-4,8,12,14-tetraen-11-olide;
 (8E,12E,14E)-6,7-diacetoxy-3,21-dihydroxy-6,10,12,16,20-
 pentamethyl-18,19-epoxytricoso-8,12,14-trien-11-olide;
 (8E,12E,14E)-7-acetoxy-3,6,16-trihydroxy-6,10,12,16,20-
 pentamethyl-21-oxo-18,19-epoxytricoso-8,12,14-trien-11-
 olide; (8E,12E,14E)-7-acetoxy-3,6,21,22-tetrahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-
 11-olide; (4E,8E,12E,14E)-7-acetoxy-3,6,17,21-tetrahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricoso-4,8,12,14-
 tetraen-11-olide; (8E,12E,14E)-7-acetoxy-3,6,17-trihydroxy-
 6,10,12,16-tetramethyl-18,19-epoxyheneicosa-8,12,14-trien-
 11-olide; (8E,12E,14E)-7-acetoxy-3,5,6,21,22-pentahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-
 11-olide; (8E,12E,14E)-7-acetoxy-3,6,16-trihydroxy-
 6,10,12,16-tetramethyl-18,19-epoxyheneicosa-8,12,14-trien-
 11-olide; (8E,12E,14E)-3,6,7,21-tetrahydroxy-6,10,16,20-
 tetramethyl-18,19-epoxytricoso-8,12,14-trien-11-olide;
 (8E,12E,14E)-7-acetoxy-3,6,17,21-tetrahydroxy-
 6,10,12,16,20-pentamethyl-18,19-epoxytricoso-8,12,14-trien-
 11-olide; (8E,12E,14E)-7-acetoxy-3,6,17-trihydroxy-
 6,10,12,16,18-pentamethyl-18,19-epoxyheneicosa-8,12,14-
 trien-11-olide; (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-
 6,10,12,16,20-pentamethyl-5-oxo-18,19-epoxytricoso-8,12,14-
 trien-11-olide; and (8E,12E,14E,18E)-7-acetoxy-3,6,21-
 trihydroxy-6,10,12,16,20-pentamethyltricoso-8,12,14,18-

tetraen-11-olide, wherein a cyclodextrin is made to be present in a culture broth of actinomycetes having an ability of producing the macrolide compound.

8. The method according to claim 7, wherein the macrolide compound is (8E,12E,14E)-7-acetoxy-3,6,21-trihydroxy-6,10,12,16,20-pentamethyl-18,19-epoxytricosan-8,12,14-trien-11-olide.

9. The method according to claim 7 or 8, wherein the cyclodextrin is one selected from the group consisting of β -cyclodextrin, γ -cyclodextrin, partially methylated β -cyclodextrin, dimethyl- β -cyclodextrin, glycosyl- β -cyclodextrin and hydroxypropyl- β -cyclodextrin.